

Abstract of the Disclosure

5 A control system for enabling user access of data records stored in a
relational database in an object oriented way has a first object model
representing a class mapped to a table in the relational database, a second
object model representing a query object modeled after the first object
model according to the same modeling framework, a software parser for
reading the information contained in the first and second object models, a
10 model generator for building a representative model from aggregated
information from the first and second models, and a code generator for
scanning the representative model and generating the appropriate
application code for each node in the representative model. The system is
characterized in that a user supplies the input parameters for accessing the
15 records desired from the database into a text receptacle of the second object
model and executes the model causing subsequent application code-
generation processing that drives the access to the records in the ordered
manner, the records served as an object or objects to a user program from
which such records were retrieved in a fashion requested and interpretable
20 by the user program.